scala rider®
G4 PowerSet

cardo
communication in motion™

Bluetooth®

User Guide

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IMPORTANT: This is version 3.0 of the User Manual. Please note, that our manual is updated periodically on the Cardo website to include the very latest features as well the new options and functions of your new **scala rider G4 PowerSet**.

Please visit **www.cardosystems.com/download/manuals** to check now if the manual you are holding is the most updated version and download the manual in your preferred language.

1. INTRODUCTION

Congratulations, and thank you for choosing the **scala rider G4 PowerSet** *Bluetooth* communication system for motorcycle helmets.

This manual will help you operate the **G4** units, but you should first familiarize yourself with the *Bluetooth* functionality of your mobile phone and/or GPS device before using the **scala rider G4**.

The retail box of the **G4 PowerSet** contains two **G4** units that are already factory paired. Among other features, the **G4** units can be used for Intercom at a range of up to one mile or 1.6 km (subject to terrain).

The **G4** is an immensely versatile communication and entertainment system with a wide range of connectivity options.

Communication Options:

- 3-Way Bike-to-Bike Intercom for conference calls with up to two other **scala rider G4** or Q2/Q2 PRO units (up to 1 mile / 1.6 km range between **G4** units in Full Duplex**)
- 4-Way Intercom conference calls between four **G4** units on two motorcycles (i.e. between two drivers and their passengers up to 1 mile / 1.6 km. range and in Full Duplex**)
- Driver-to-Passenger Intercom (backwards compatible with earlier scala rider headsets)
- *Click-to-Link* for spontaneous intercom communication with any nearby **G4** unit
- Mobile phone communication (supporting *Bluetooth Handsfree** and *A2DP* profiles at a 10 m / 33 ft. range)
- In-the-ear GPS Navigation instructions from compatible *Bluetooth* devices

Entertainment Options:

- Wireless music streaming via devices supporting *Bluetooth* Stereo A2DP and AVRCP profiles. Compatible with a variety of MP3 Players, adapters and other audio devices
- MP3 Players (non-*Bluetooth*) via cable
- Built-in FM Radio

ADDITIONAL SPECIAL FEATURES:

➤ AGC technology (Automatic Gain Control), allowing the automatic increase or reduction of volume according to ambient noise and driving speed. You can also control the volume level manually. AGC sensitivity levels can be customized to suit your personal preferences.

➤ VOX technology for safe and hands-free operation of some key functions (Voice Dial, Answer Call, Reject Call). VOX sensitivity levels can be customized to suit your personal preferences.

➤ PLC software (Packet Loss Concealment) for real-time compensation of audio losses in challenging environments.

➤ Advanced software which you should update while in standby mode, via any PC running Windows® XP™, Vista™ or Windows 7™.

➤ Spoken status instructions, so that you always know who or what device you are connected to at any given time.

We wish you a great **scala rider** experience and remain available for any inquiries you may have. Just write us at **support@cardosystems.com**

Visit *www.cardosystems.com/download/manuals* to download this manual also in other languages

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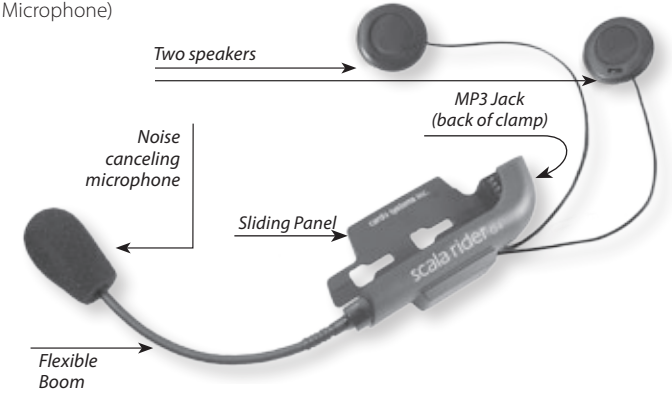
* Mobile phones that do not support the *Bluetooth Handsfree* profile may prevent you from using certain advanced features.

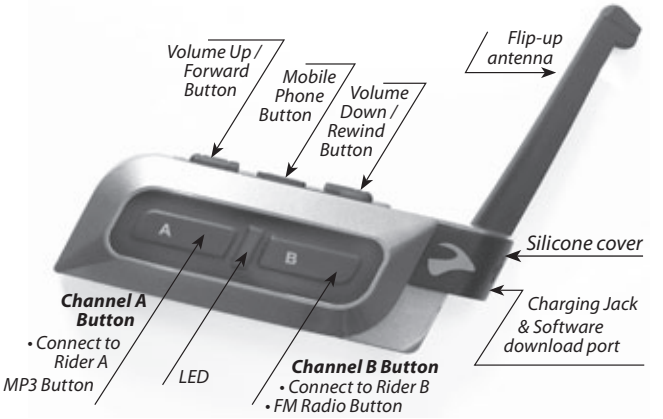
** "Full Duplex" lets you speak and hear the other party simultaneously, similar to mobile or landline phone conversations and unlike walkie-talkie communications.

2. CONTENTS OF THE RETAIL BOX

2 Helmet clamps (subject to the version purchased: Boom or Corded Microphone)



2 scala rider G4 units



2 Wall charger plugs
2 USB adapter cables
2 Allen wrenches
4 Velcro pads
2 MP3 cables
2 Glue plates
2 Pre-moistened Towlettes
2 Carry pouches
4 Microphone sponges Flat sponge for full-face helmets and round sponge for open helmets
User Guide

The **scala rider G4 PowerSet** is also available in a cord-mounted microphone version to better fit certain full-faced helmets with tight chin sections.

IMPORTANT:

The **scala rider G4** *has been certified as waterproof and dustproof (IP67) and is designed for use under moderate rain or snow conditions. However, the cover lid protecting the Charging Jack should be kept tightly closed at all times to prevent moisture from entering the device.*

3. CHARGING THE G4

Make sure that both **G4** units are fully charged for at least four hours before initial use. Open the silicone cover protecting the Charging Jack and Software Download Port.

Insert the USB cable to the wall charger and insert the other end of the cable to the headset's Charging Jack. While charging, the Red Light turns on. When charging is complete, the Red Light will turn off.

Your wall charger and USB adaptor cable serve two purposes:

1. Charging the **G4** from any A/C wall socket or from a USB port on your computer (charging time from computer takes longer).
2. Downloading software upgrades from any PC running Windows® XP™, Vista™ or Windows 7™. (see section 4.4 for details).

4. BASIC SETUP AND CONFIGURATION

4.1 GENERAL FUNCTIONS

DESIRED RESULT	REQUIRED ACTION
Turn on the G4	Press the Mobile Button steadily for at least four seconds LED indication: Three blue flashes Audio feedback: Ascending tone (low-high)
Turn off the G4	Press the Mobile Button steadily for at least three seconds LED indication: Three red flashes Audio feedback: Descending tone (high-low)
Increase / Decrease the volume of the current audio source	Tap the Volume *Up* or Volume *Down* Button (sets and saves the volume per source)
Mute	Tap simultaneously Volume Up and Volume Down while any audio is on
Battery Level Indicator	Press and hold the Volume Up Button for three seconds Blue light = Battery is fully charged Red/blue light = Battery is half full Red light = Battery is almost empty

4.2 SETTINGS CUSTOMIZATION:

The **G4** offers various customizable settings which allow you to personalize the device based on your preferences. Among these settings, you can:

- Enable/Disable Spoken Status Announcements which provide your connectivity status, i.e. whether you are in mobile phone or intercom mode, and confirm changes of such modes. By default the feature is ON.
- Set custom AGC and VOX sensitivity levels suited to your specific riding style and conditions.

NOTE: ***G4 settings can be customized in two ways:***

- *Via the free Cardo Upgrades software available for download from* ***www.cardosystems.com*** *(requires PC and cable-connected device (cable included). See section 4.4.*
- *Via the Settings Customization Voice Menu and the buttons on your* ***G4*** *unit - see below).*

Entering the Settings Customization Voice Menu on your G4:

The Settings Customization Voice menu can be heard in any one of the available languages. In future, more languages will be available for download from our website (see section 4.4 for Software Upgrade).

Press and hold the CHANNEL "A" button and CHANNEL "B" button simultaneously for 3 seconds while on standby. After entering the system, follow the voice instructions in English or choose your preferred language.

4.3 AUDIO SOURCES AND PRIORITIES

The different audio sources connected to the **G4** are prioritized as shown below, i.e. the higher priority source will always override and interrupt the lower one.

For example, incoming mobile phone calls will interrupt ongoing Intercom calls, while incoming intercom calls will interrupt the audio from the built-in FM Radio etc.

Higher Priority

Lower Priority

1. **Mobile Phone audio or GPS instructions (device specific)**
2. **Intercom**
3. **A2DP audio source**
4. **FM Radio (built-in)**
5. **Auxiliary Line-In Port (for corded connection e.g. MP3 players).**

4.4 SOFTWARE UPGRADES AND SETTINGS

To make the most of your **G4 PowerSet**, make sure that both units are running the latest software. To download the latest software updates and take advantage of customizing settings via the computer, register online at: ***www.cardosystems.com/download/softwareupgrade*** and have your product serial number ready.

After downloading the Cardo Upgrades program, use the USB cable included in the retail box to connect the **G4** to your computer.

Once connected to your computer, you will easily be able to customize the settings on your **G4** following the on-screen instructions.

Future software upgrades and program patches will ensure the software of your **G4** is kept up-to-date and will include additional features, status announcements and other valuable functions.

Please note that until further notice, upgrades will only be available for Windows® based PCs running Windows XP™, Vista™ or Windows 7™ operating systems.

4.5 RESETTING THE G4

If the **G4** fails to respond despite repeated attempts, you can reset it by simply charging it. After approximately 10 seconds, remove the **G4** from the charger and turn it on again. Your **G4** should now respond as expected.

5. GETTING STARTED

5.1 MOUNTING THE G4 ON A HELMET

The Helmet clamp that includes your microphone and speakers must first be mounted on the helmet. Once mounted, the **G4** unit can be attached or detached from the clamp at any time (sec. 5.4).

There are two methods that can be used to attach the clamp to the helmet:

Standard Method: Recommended for most helmet types.

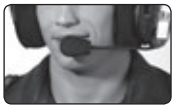
Glue Plate Method: Recommended for helmets to which the standard method cannot be applied, using the Glue Plate included in the box.

Glue Plate

Standard Method: Fastening the Clamp to the Helmet

1. Use the enclosed Allen Wrench to loosen the two screws on the Back Plate.
2. Slide the Back Plate between the internal padding and the external shell of the helmet.

3. Adjust the clamp's location so that the microphone is located in front of the center of your mouth, and then tighten the screws. You may need to reposition the Clamp repeatedly until you identify the best spot.



If you have purchased a helmet clamp version with the corded microphone, please refer to section 5.2.

Glue Plate Method:

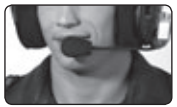
You have the option to glue the Helmet Clamp onto your helmet when the above standard method cannot be used, or if you prefer to secure the Helmet Clamp with adhesive glue.

Caution: This process can be done only once!

NOTE: While we have no reason to believe that the gluing option might negatively affect any helmet, Cardo does not assume any responsibility to that effect, irrespective of its nature and circumstances. The Glue Plate is offered as an option that you may choose to use at your own risk and subject to renouncement of any future claims.

1. Use the enclosed Allen Wrench to remove both Allen screws and release the Helmet Clamp's back plate.

2. Determine the location on the helmet where the Helmet Clamp must be attached.
3. Adjust the Helmet Clamp's location on the Helmet so that the microphone is located opposite the center of your mouth. You may need to reposition the Clamp repeatedly until you identify the best spot. (Be sure to clean the selected area prior to the gluing process).



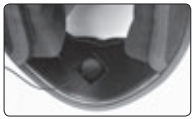
4. Use the pre-moistened Towlette to clean the helmet area where you want to install the Glue Plate. Allow to dry thoroughly.
5. Peel the foil cover from the Glue Plate's adhesive pad.
6. Place the Glue Plate into position according to #3. Press firmly 15 seconds on all 3 parts of the Glue Plate.
7. The adhesive pad bonds to full strength over the next 24 hours. Therefore we recommend not using the **G4** during this 24 hour period.
8. Fasten the Clamp to the Glue Plate using the Allen screws that were previously removed.

If you have purchased a helmet clamp version with the corded microphone, please proceed as follows:

5.2 ATTACHING THE CORDED MICROPHONE TO A FULL-FACED HELMET

If you are using the corded microphone version, you must first make sure your helmet clamp is attached to your helmet as described in previous section (5.1). Clean the exact spot on the internal padding of the helmet, opposite your mouth, where the microphone will be placed.

a. Peel the foil cover from the adhesive Velcro pad and place the Velcro pad on the chosen location opposite your mouth.

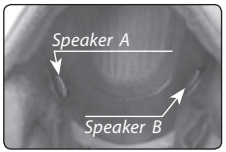


b. Attach the microphone to the Velcro, as shown in photo.

c. When done, tighten the screws of the clamp.

5.3 POSITIONING THE MICROPHONE AND SPEAKERS

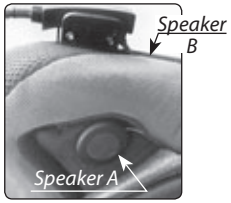
The microphone must be positioned in front of the center of your mouth as detailed above.



Attach the speakers to the Velcro inside your helmet, opposite your ears (short speaker cord for left ear & long speaker cord for right ear). Use the supplied Velcro pads if needed.

Using two speakers inside the helmet may be prohibited in certain jurisdictions. If this is the case, you should tuck away the long corded speaker underneath the helmet padding as follows:

Lead the speaker cord [B] alongside the rim of the padding to the right side and then back to the left side, near speaker [A]. Then place the speaker [B] underneath the padding.



NOTE:
For best audio results, make sure that both of your speakers actually touch your ears.

Please visit us at ***www.cardosystems.com/support/faq*** *for other useful tips.*

5.4 ATTACHING AND REMOVING THE G4 FROM THE HELMET CLAMP

ATTACHING:

Slide the **G4** sideways (i.e. horizontally) along the sliding panel until a clicking sound indicates that it is locked in place.

*slide **G4** sideways*

REMOVING:

Your **G4** can be removed for charging or storage by sliding the **G4** sideways.

*push **G4** with your thumb*

5.5 USING THE FLIP-UP ANTENNA

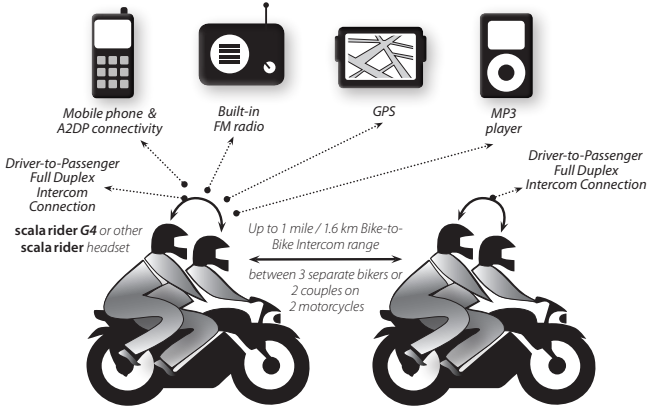
The flip-up antenna allows you to achieve the maximum intercom range between bikers. To open the antenna, simply press gently against the protruding tab (at the tip of the antenna) towards the direction of the helmet. The internal spring will then cause the antenna to flip up.

To close the antenna, just push it back into its horizontal state until it is locked in place.

NOTE: The sole purpose of the antenna is to increase intercom range between bikers. There is no need to open it when using your mobile phone, FM Radio or MP3 Player but you can do so without concern.

6. CONNECTING *BLUETOOTH* ENABLED MOBILE PHONES, GPS OR MP3 (A2DP) DEVICES

Multiple Device Connectivity ("MDC") with *Bluetooth* compatible Devices


Mobile phone & A2DP connectivity
Built-in FM radio
GPS
MP3 player
Driver-to-Passenger Full Duplex Intercom Connection
Driver-to-Passenger Full Duplex Intercom Connection
scala rider G4 or other scala rider headset
Up to 1 mile / 1.6 km Bike-to-Bike Intercom range
between 3 separate bikers or 2 couples on 2 motorcycles

Thanks to MDC technology each **G4** offers parallel connectivity as follows*:

- ➤ Intercom with up to two other scala rider units
- ➤ *Bluetooth* enabled Mobile Phone / GPS device
- ➤ A2DP enabled MP3 Player or A2DP Adapter

NOTE: If you plan to use your mobile phone while using a Bluetooth *GPS device, then you should pair your mobile phone to the GPS and not to the **G4**.*

** see restrictions under 9.10 b*

6.1 MOBILE PHONE

To use your mobile phone with the **scala rider G4**, you must first pair the **G4** to your mobile phone.

Pairing is a one-time process. Once the **G4** is paired to a specific mobile phone, they will remain paired and automatically recognize each other whenever they are within range.

If the connection between the phone and **G4** is lost, tap the Mobile Button on your **G4** to reconnect the devices.

PAIRING THE G4 TO A *BLUETOOTH* MOBILE PHONE:

1. Turn on your phone and make sure its *Bluetooth* function is activated. Turn on your **G4** by pressing the Mobile Button for at least four seconds resulting in three blue flashes.
2. With the **G4** turned ON, press and hold the Mobile Button for at least six seconds until the Red and Blue Lights begin rapidly alternating.
3. Search for *Bluetooth* devices on your phone by following the phone's instructions. Consult your phone's User Manual for more information.
4. After a few seconds the phone will list "**scala rider G4**" as a discovered device. Select it and follow your phone's instructions to accept the pairing.
5. When prompted, enter 0000 (four zeros) as your PIN or passkey.
6. Your phone will confirm that pairing has succeeded and the **G4** will begin flashing slowly in Blue.

NOTES:

- *If the Pairing process is not completed within two minutes, the **G4** will return to Standby mode.*
- *Not all* Bluetooth *mobile phones can broadcast* Bluetooth *Stereo music (A2DP), even if the phone has an MP3 player function. Consult your mobile phone's User Manual for more information.*
- *With some mobile phones, you may need to tap the Mobile Button to connect the **G4** to the phone after pairing is complete. The **G4** will automatically connect to the last phone it is paired with.*

6.2 GPS DEVICE

To use a *Bluetooth* enabled GPS device with the **scala rider G4**, the two must first be paired. This will allow your GPS to transmit navigation instructions and audio to the speakers of your **G4.**

NOTE: Not all Bluetooth *enabled GPS devices allow connections to* Bluetooth *headsets or communication systems. Among others, any such GPS unit must be compatible with the* Bluetooth *"Handsfree" gateway protocol. Please consult your GPS device's User Manual for more information.*

PAIRING THE G4 TO A GPS DEVICE:

1. Turn on your GPS.
2. With the **G4** turned ON, press and hold the Volume Up Button for at least six seconds until the Red and Blue Lights begin flashing simultaneously.
3. Search for *Bluetooth* headsets on your GPS device by following the device's instructions. Consult your GPS device's User Manual for more information.

4. After a few seconds the GPS will list "**scala rider G4**" as a discovered device. Select it and follow your GPS's instructions to accept the pairing.
5. If your GPS device prompts for a PIN or Passkey enter 0000 (four zeros).
6. Your GPS device will confirm that pairing has succeeded. The headset will begin flashing slowly in Blue.
7. If you wish to use a *Bluetooth* mobile phone to make and receive calls through the **G4**, you should pair your mobile phone to your GPS device by following the instructions in your GPS manual.

NOTES:

- *If the Pairing process is not completed within two minutes the **G4** will return to Standby mode.*
- *The priority schedule of your **G4** has been set to avoid incoming intercom calls interrupting GPS instructions in progress. In such case the intercom caller will hear a busy signal and you will hear two beeps, indicating that an intercom caller is trying to page you. (see section 4.3 for details on audio priorities of paired devices).*

6.3 MP3 MUSIC (WIRELESS OPTION – A2DP)

Your **G4** is designed to receive wireless stereo music from A2DP sources and mobile phones that support the *Bluetooth* A2DP and AVRCP profiles (mostly 3rd generation devices).

Using a *Bluetooth* device that supports the AVRCP profile will allow you to operate all major A2DP source functions directly from your **G4.**

*NOTE: The **G4** can also receive audio via the enclosed cable from non-*Bluetooth *MP3 Players or audio sources as described in section 7.2*

While listening to music from an A2DP source, you will not miss any mobile or intercom calls, as the headset will automatically stop the music and give preference to the incoming call. However, after you terminate your call, some MP3 sources may not automatically continue and require manual re-activation.

The scala rider **G4** allows you to pair your mobile phone for use during phone calls and also as a Stereo *Bluetooth* (A2DP) music player, if your phone supports this feature.

The scala rider **G4** also allows you to use two different A2DP devices interchangeably: simply pair an A2DP music player (MP3 Player or Adapter) to the **G4** for music and use the mobile phone for phone calls and/or music (if A2DP compatible) as described in Section 6.1.

SETTING UP YOUR MP3 PLAYER FOR *BLUETOOTH* STEREO A2DP TRANSMISSION

To use a *Bluetooth* Stereo (A2DP) enabled MP3 Player or Adapter to listen to stereo music, you must first pair the device to your **G4**.

PAIRING THE G4 TO AN MP3 PLAYER OR ADAPTER

*NOTE: If your A2DP source is integrated inside your Mobile Phone, then you should pair it with your **G4** as described in section 6.1 above.*

1. Turn on your MP3 Player or A2DP Adapter, and make sure that its *Bluetooth* function is activated.
2. With the **G4** turned ON, press and hold the Mobile Button for at least six seconds until the Red and Blue Lights begin alternating rapidly.
3. Search for *Bluetooth* headsets on your MP3 Player by following the device's instructions.

NOTE: For use of a Bluetooth *adapter, follow the device's instructions.*

4. After a few seconds the MP3 Player will list "**scala rider G4**" as a discovered device. Select it and follow your MP3 Player's instructions to accept the pairing.
5. If your MP3 player prompts for a PIN or Passkey enter 0000 (four zeros).
6. Once pairing is complete, your MP3 Player or Adapter may confirm that pairing has succeeded, and the **G4** will begin flashing slowly in Blue.

*NOTE: If the Pairing process is not completed within two minutes the **G4** will return to Standby mode.*

A2DP Audio Source Selection:

If an A2DP Music Player is paired, the headset will use it as the default audio source. To change the audio source from the current device to the other device, stop the music playing from the current device and start A2DP music playback from the other device. Turning off the headset will set the default back to the A2DP Music Player.

Operating your A2DP source from your G4

Play	Press and hold the MP3 Button for 3 seconds
Pause/Stop*	Press and hold the MP3 Button for 3 seconds
Forward	Press and hold the Volume Up Button for 3 seconds
Rewind**	Press and hold the Volume Down Button for 3 seconds

** Varies depending on your mobile phone model*

*** With some phones you may need to repeat this action once more*

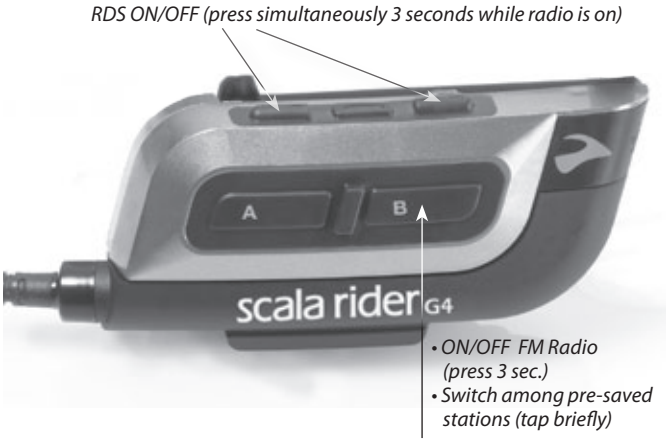
7. BUILT-IN FM RADIO AND EXTERNAL MP3 PLAYER (CABLE OPTION)

7.1 FM RADIO

The **scala rider G4** is equipped with an FM stereo radio receiver and RDS (Radio Data System) technology, allowing you to choose how and when you listen to your favorite stations.

Turn on Radio	While in Standby mode, press and hold CHANNEL "B" button for 3 seconds
Turn off Radio	While listening to the Radio, press and hold CHANNEL "B" button for 3 seconds
Switch to next preset station	While listening to the Radio, tap the CHANNEL "B" button to cycle through the 6 Preset FM Stations
Start Intercom call	While listening to the Radio, start talking loudly
Initiate Voice Dial from your Mobile Phone	While listening to the Radio, tap the Mobile Button and pronounce loudly the name of the person you wish to call. This feature is supported only by mobile phones that include the Voice Dial feature
Initiate Redial from your Mobile Phone	While listening to the Radio, tap the Mobile Button twice
RDS ON/OFF (Default: OFF)	While the Radio is on, press and hold Volume Up and Volume Down Buttons simultaneously for 3 seconds (Also controlled via the PC software and Settings Customization Voice Menu)

Thanks to the RDS feature, the **G4** will automatically select the strongest signal available for the FM station you wish to listen to, no matter where you are riding.


RDS ON/OFF (press simultaneously 3 seconds while radio is on)
A
B
scala rider G4
• ON/OFF FM Radio (press 3 sec.)
• Switch among pre-saved stations (tap briefly)

Searching for and saving new stations

Radio station pre-sets can be saved using the Cardo Upgrades PC software or directly from your **G4** device.

There are two ways to search for a new radio station on your **G4**:

Seek and save:

1. While the Radio is on, select the station number from one to six that you wish to set by tapping the CHANNEL "B" button until the desired station is found.
2. Press and hold the *Volume Up* or *Volume Down* Button for three seconds.
   - Pressing *Volume Up* will search upwards (higher frequency).
   - Pressing *Volume Down* will search downwards (lower frequency).
3. Once a station is found, searching stops and you can hear the station.
4. To continue searching, press the *Volume Up* or *Volume Down* Button again for three seconds.
5. Tap the CHANNEL "B" button within 20 seconds of finding the station to save the current station.
6. If you don't save the station, the Radio will exit search mode without saving the current station. You can still continue to listen to the current unsaved station. Tapping the CHANNEL "B" Button in this case will move to the next saved station.

Scan and save:

1. While the Radio is on, select the station number from one to six that you wish to set by tapping the CHANNEL "B" button until the desired station is found.
2. Press and hold the Volume Up button for 6 seconds.
3. The device will begin to Scan by searching upwards for the next station. Once a station is found, searching pauses for a few seconds while you hear the current station and then the **G4** will automatically continue to the next station.
4. To stop Scanning and stay on the current station, tap the Volume Up Button again.
5. Tap the CHANNEL "B" button within 20 seconds of finding the station to save the current station.
6. If you don't save the station, the Radio will exit search mode without saving the current station. You can still continue to listen to the current unsaved station. Tapping the CHANNEL "B" Button in this case will move to the next saved station.

NOTE: Press CHANNEL "B" button during radio Scan to Fast Save the current station directly into the Preset Channel number you were last listening to.

Automatic Radio Tuning: Automatically search for and find 6 new "on the go" radio stations with one button press.

This feature makes finding new stations fast and easy by creating a temporary list of "on the go" radio stations.

While the radio is on, press and hold the *Volume Down* Button for 6 seconds, and the **G4** will search upwards from the current frequency and store the next 6 FM stations it discovers as "on the go" stations.

You can repeat this process as many times as you wish, searching for the next 6 FM stations each time.

Now you can cycle through these stations by tapping the CHANNEL "B" button.

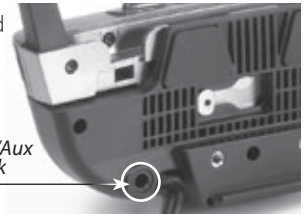
*NOTE: These 6 temporary "on the go" stations cannot be saved and do not replace the permanent Saved Radio Stations you may have set using the "Saving a selected station" procedure. Turning OFF and ON the **G4** will clear out your Automatic Radio Tuning stations, and restore the original saved radio stations.*

7.2 CABLE CONNECTING YOUR MP3 PLAYER OR OTHER EXTERNAL AUDIO SOURCES

Using the auxiliary line-in port for cable connectivity

The **G4** has an auxiliary jack which allows you to connect non-*Bluetooth* audio sources, such as MP3 players (with 3.5 mm - ⅛" stereo jacks) to the **G4** by using the enclosed cable.

1. Make sure the **G4** is on Standby mod
2. Connect the MP3 cable to your MP3 player/audio source's Jack and insert the other end of the cable into the Auxiliary Jack.
3. Operate the MP3 Player device by using its own buttons as usual (FF/REW/ PLAY/PAUSE).



Volume can be adjusted through the MP3 Player or the Volume Buttons of the **G4.**

Any other audio connection will automatically mute the MP3 Player. The audio signal will return only when the **G4** is once again in Standby mode.

NOTE: While listening to your MP3 player, the VOX feature is disabled.

8. USING THE MOBILE PHONE

INITIATING AND RECEIVING MOBILE PHONE CALLS

BASIC FUNCTIONS	
Answer a call	Tap the Mobile Button or speak loudly any word of your choice during an incoming call
Reject a call	Remain silent for 15 seconds, ***or*** press and hold the Mobile Button for 3 seconds during an incoming call
Terminate a call	Tap the Mobile Button during a call, or let the other party terminate the call
Voice Dial	During Standby, tap the Mobile Button and pronounce loudly the name of the person you wish to call. This feature is supported only by mobile phones that include the Voice Dial feature
Redial	During Standby, tap the Mobile Button twice
ADVANCED FUNCTIONS FOR 3-WAY COMMUNICATION:	
Add/Remove CHANNEL "A" to/from phone call	Tap the CHANNEL "A" button while on a phone call
Add/Remove CHANNEL "B" to/from phone call	Tap the CHANNEL "B" button while on a phone call

When the **G4** is on an active phone call, any Intercom call request will be automatically rejected.

Once the phone call is terminated, you can initiate and accept Intercom calls.

STATUS LIGHTS

LED Indication	Status
None	**G4** is off
1 blue flash every 3 seconds	Standby – No call is in progress
2 blue flashes every 3 seconds	Call is in progress / FM Radio or Music is ON
1 red flash every 3 seconds	Standby - Battery is low
2 red flashes every 3 seconds	Low battery while a call is in progress or FM Radio or Music is ON
Solid red	Charging

9. USING THE INTERCOM

9.1 INTRODUCTION

Flip-up Antenna for extended range

The **scala rider G4 PowerSet** provides you with an impressive Bike-to-Bike Intercom range by simply flipping up the antenna. The Flip-up antenna allows you to maximize intercom range with other bikers at up to **1 mile / 1.6 km** *(subject to terrain)*. The antenna is also useful when riding in dense urban environments that may affect the transmission quality. You may keep the Flip-up Antenna open when not using the intercom, even though there is no particular need to do so.

The **scala rider G4 PowerSet** package contains two factory-paired **G4** units. To set up additional Intercom *Bluetooth* connections, you must first pair your **G4** units with other devices. In this manual such other devices will be referred to as **CHANNEL "A"** and **CHANNEL "B"** respectively.

Pairing is a one-time process. Once completed, the units will remain paired and automatically recognize each other whenever they are within range.

*For details on Intercom use with other **scala rider** units, please refer to section 9.11 below*

Each **G4** has two Intercom channels available for multiple intercom connections. Therefore, one **G4** can communicate simultaneously with **up to two other G4**s. If one of these other **G4**s is connected to yet another **G4**, then all four participants can enter into a 4-way conference mode (see section 9.10c below).

9.2 BACKWARDS COMPATIBILITY

The **G4** can also conduct Intercom communications with earlier **scala rider** models in different configurations and you can always change your preferences.

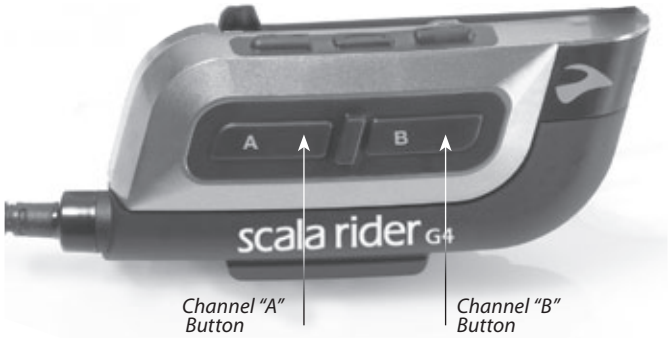
There are other **scala rider** models available that the **G4** can connect to, and each of these connections comes with specific characteristics and / or limitations.

In terms of range, Intercom communications between the **G4** and another **scala rider** unit is limited to the distance of the lesser-range device. For example, connecting the **G4** with a Q2 PRO unit will enable intercom distances of up to 2,300 ft / 700 m, which is the maximum rated distance the Q2 PRO can achieve.

In the section below you can find out how to pair the **G4** with other **scala rider** models. In addition, the **G4** is also fully compatible with the Schuberth SRC-System™. For details, visit **www.cardosystems.com/src**.

9.3 BEFORE STARTING THE INTERCOM

The **G4** has two buttons designated for quick connection to two other units. These other units are referred to as **CHANNEL "A"** and **CHANNEL "B".** In the following sections you will also learn how to add a third participant and conduct an intercom conference.



Since the **G4** can be paired with all models in the **scala rider** family, we recommend that you first pair it according to your preferred configuration and then change or modify as often as you wish later, when the need arises. For example: If you typically use the intercom to communicate with two friends who both use **G4** units, then you should pair it as described below in section 9.10 b.

Therefore, please select your initial pairing preference from the following options in the table below and then refer to the pairing procedure as described in the respective section of this manual. When done, return to the explanations in section 9.4 "**Initiate Intercom Calls**".

Select your preferred Pairing Option

UNITS TO BE PAIRED	GO TO SECTION
Your G4 with another G4	9.10 a
Your G4 with a Q2/Q2 PRO	9.11 a
Your G4 with one earlier scala rider model	9.11 b
Your G4 with two other G4 units	9.10 b
Your G4 with one G4 and one Q2/Q2 PRO unit	9.11 c
Your G4 with two Q2/Q2 PRO units	9.11 c
Your G4 with one G4 and one other scala rider model	9.11 c
Your G4 with one Q2/Q2 PRO and one other scala rider model	9.11 c
Your G4 with two other scala rider models	9.11 c
Your G4 as part of 4-Way intercom call configuration	9.10 c

9.4 INITIATE INTERCOM CALLS

There are two ways to start an Intercom call with devices that are paired to your **scala rider G4** (make sure you are in Standby mode):

VOICE CONNECT:

Preferred for relatively brief conversations as it takes the channel into standby mode after 30 seconds of silence.

Start talking loudly

Once you start talking loudly, an Intercom call will be established with both paired devices, CHANNEL "A" and CHANNEL "B" (if both are available).

The Intercom call will stay on until all participants remain silent for 30 seconds. (applicable for 2-way communication).

CHANNEL BUTTON CONNECT:

Preferred for extended conversations as it leaves the channel open and active.

Single tap the CHANNEL "A" Button to add or remove CHANNEL "A" from an Intercom call.

Single tap the CHANNEL "B" Button to add or remove CHANNEL "B" from an Intercom call.

NOTE: While the Intercom is on, the Redial and Voice Dial functions will be disabled.

9.5 RECEIVING INTERCOM CALLS

Once another paired device tries calling you via intercom, the call will begin almost instantly.

*NOTE: The **G4**'s preset priority modes have been set in a way to avoid incoming intercom calls from interrupting mobile phone calls and GPS instructions in progress. In such case the intercom caller will hear a busy signal and you will hear two beeps, indicating that an intercom caller is trying to page you. (see section 4.3 for details on audio priorities of paired devices).*

9.6 VOICE CONNECT FEATURE (VOX)

The **G4** offers VOX technology for safe and hands-free operation of some key functions.
For incoming calls, just pronounce loudly any word (e.g. "hello").

To reject an incoming call, remain silent for about 15 seconds.

To reject an Intercom call remain silent for 30 seconds.

NOTE: The Enable/Disable Voice Connect feature affects only the Intercom functionality.

ENABLE/DISABLE VOX can be done via the PC software and directly on your **G4** via the Settings Customization Voice Menu (see section 4.2).

9.7 RESET PAIRING (RESTORING THE ORIGINAL DEFAULT CONFIGURATION)

This section is only relevant once you have completed a pairing process
You can delete all of your paired devices at any time as follows:

1. With the **G4** turned ON, press and hold the Mobile Button for at least six seconds until the Red and Blue Lights begin rapidly alternating.
2. Press and hold the Volume Up Button for three seconds.
3. The Red and Blue Lights will flash five times simultaneously and then the **G4** will turn off, confirming that Reset was successfully completed.

9.8 NOTEWORTHY ISSUES

a. Connecting the G4 to other units

To pair your **G4** to other **scala rider** models, please refer to section 9.10 c below.

b. Busy Status (When using a **G4**)

When attempting an Intercom call with a device that is already on a Phone/GPS/Intercom call, you will hear two beeps indicating the other device is busy.

c. Automatic Reconnection of the Intercom

If the **G4** and another paired unit go out of range and disconnect from each other, the **G4** will immediately try to reconnect to the other unit**.**

You can manually reconnect the intercom call while the **G4** is in Standby mode by pressing the CHANNEL "A" or the CHANNEL "B" Button to connect to the respective lost connection.

d. Conference Mode Limitations

Whenever you enter the Intercom Conference mode among three or even four participants (including yourself), the participants who maintain simultaneously two active connections will not be able to receive mobile phone calls or GPS messages as long as the conference call is in progress (see details in sections 9.10 b and 9.10 c)

9.9 TROUBLESHOOTING THE INTERCOM

First, make sure your microphone is located properly in front of the center of your mouth.

The **G4** is designed for use in loud environments. Therefore, you should test the Intercom functionality only in a noisy environment, such as next to an idling motorcycle and not indoors. Please also verify that the **G4**s were paired together properly by following the instructions in the relevant Setup sections.

9.10 USING THE G4 FOR INTERCOM WITH OTHER G4 UNITS

PAIRING LED INDICATION FOR INTERCOM CHANNELS

INTERCOM CHANNEL	PAIRING / CONNECTION BUTTON	PAIRING MODE LED INDICATORS
CHANNEL "A"	CHANNEL "A" BUTTON	Rapid RED flashing
CHANNEL "B"	CHANNEL "B" BUTTON	Rapid BLUE flashing

9.10a. TWO-WAY INTERCOM

PAIRING OPTIONS BETWEEN TWO PARTICIPANTS

Your two **G4 PowerSet** units are factory-paired and configured to communicate via their respective Channel "A" Buttons. If for any reason, you have to pair them again, proceed as follows:

1. If either **G4** is turned OFF, turn it ON by pressing and holding the Mobile Button until the Blue Light flashes three times.
2. Make sure that both **G4**s are now flashing slowly in Blue.
3. Choose an available CHANNEL you wish to use to pair the **G4** (CHANNEL "A" or CHANNEL "B").

*NOTE: Selecting a CHANNEL that is already in use will override the paired **G4** on that CHANNEL with the newly paired **G4.***

4. On the **G4**, press and hold the chosen CHANNEL BUTTON ("A" or "B") for at least six seconds until the **G4**'s BLUE or RED Light begins flashing rapidly, indicating it is in Intercom Pairing mode. (See Table in 9.10).
5. Repeat Step 3-4 for the second **G4**.
6. Within a few seconds, both **G4**s will show a solid light for two seconds, indicating that the two **G4**s are now paired, connected and ready for use.

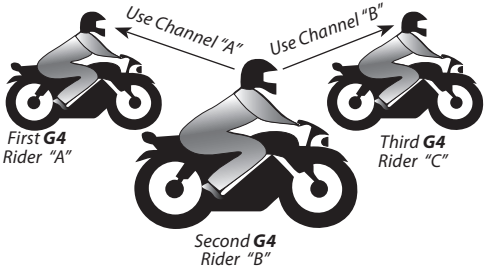
*NOTE: If the Pairing process is not completed within two minutes the **G4** will return to Standby mode.*

Initiate Intercom calls

There are two ways to start an **Intercom** call with your paired **G4** while the **G4** is in Standby mode:	
VOICE CONNECT: **Start talking loudly** Once you start talking loudly, an Intercom call will be established with the other paired **G4.** The Intercom call will stay on until all participants remain silent for 30 seconds.	**CHANNEL BUTTON CONNECT:** **Tap the chosen CHANNEL Button once** to add or remove the other **G4** from an Intercom call.

9.10b. THREE-WAY INTERCOM

Adding a third **G4** unit to your **PowerSet** allows you to conduct 3-way intercom conference calls as follows:



In this configuration Rider "B" is paired to Rider "A" *and* to Rider "C".

IMPORTANT: Since Rider "B" uses two Bluetooth *connections during the conference mode, Rider "B" will be disconnected from the mobile phone or GPS device until the conference mode is terminated. Upon termination, Rider "B" will automatically reconnect to his mobile phone or GPS. Rider "A" and "C" remain connected to their mobile phones or GPS devices during the 3-way intercom call.*

PAIRING OPTIONS BETWEEN THREE PARTICIPANTS (between **G4** models only)

To add a third **G4** unit to your **G4 PowerSet**, you will need to designate one of the two factory-paired **G4**s to serve as Rider "B" with the third **G4** unit as Rider "C").

Since the factory-paired units use Channel "A", you must now pair the third **G4** unit (Rider "C") on Channel "B".

a. Turn on the designated Rider "B" unit and the Rider "C" unit by pressing their Mobile Buttons until their blue light flash three times.

b. On both units press the Channel "B" Button until the lights are flashing rapidly in Blue indicating that Rider "B" and Rider "C" are in Pairing mode.

c. Within a few seconds, both **G4**s will show a solid light for two seconds, indicating that they are now paired, connected and ready for use.

d. Turn on Rider "A" unit and wait until it reconnects to the factory paired Rider "B" unit.

NOTE: If units "A" and "B" don't reconnect automatically, press the Channel "A" Button on Rider "A" unit and connect manually.

Initiate Intercom calls

There are two ways to start an Intercom call with your paired **G4**s while the **G4** is in Standby mode:

VOICE CONNECT:	**CHANNEL BUTTON CONNECT:**
Start talking loudly Once you start talking loudly, an Intercom call will be established with both paired **G4**s, CHANNEL "A" and CHANNEL "B" (if both are available).	**Single tap the CHANNEL "A" or "B" Button** to add or remove the chosen channel from an Intercom call.

9.10c. FOUR-WAY INTERCOM

When connected to three other **G4** units, your **G4** can also participate in a 4-way Conference Intercom Call (full duplex) as explained below.

Please note that the 4-way conference operates in a linear manner, whereby the two passengers serve as the connecting links for the entire group. Therefore, if one of the Passengers disconnects, the 4-way conference mode will be interrupted until that passenger is reconnected.

4-Way Intercom between up to two couples on two motorcycles two drivers (1 and 3) and two passengers (2 and 4)

In this configuration the two passengers (numbered 2 and 4) are each using two *Bluetooth* connections:

Passenger 2 is paired to Driver 1 and to Passenger 4

Passenger 4 is paired to Driver 3 and to Passenger 2

IMPORTANT: Since both Passengers each use two Bluetooth *connections during the conference mode, they will both be disconnected from their mobile phones until the conference mode is terminated. Upon termination, both Passengers will automatically re-connect to their mobile phones. Both Drivers 1 and 3 remain connected to their mobile phones or GPS devices during the 4-way intercom call.*

PAIRING FOUR SCALA RIDER G4s

To converse in the 4-Way **intercom conference mode**, the four **G4**s must be paired as shown in the biker illustration above. All four units should initially be turned off.

Step One: Pair Driver 1 to Passenger 2 via Channel "A" as follows

a. Turn both **G4**s ON by pressing and holding the Mobile Buttons until the Blue Light flashes three times.

b. Both **G4**s should now be flashing slowly in Blue.

c. Press and hold CHANNEL ("A") BUTTON on both **G4**s for at least six seconds until the **G4**'s BLUE or RED Light begins flashing rapidly, indicating that they have entered the Intercom Pairing mode (See Table in section 9.10).

d. Release the buttons and wait until both **G4**s display a solid light for two seconds, indicating that the two **G4**s are now paired for Intercom connection. (This may take up to two minutes).

Step Two: Pair Driver 3 to Passenger 4 via Channel "A"

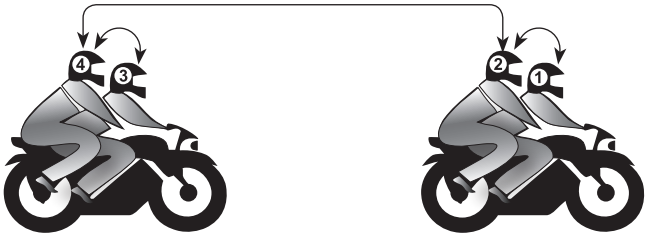
Repeat the above pairing procedure between Driver 3 and Passenger 4.

Step Three: Pair Passenger 2 to Passenger 4 via Channel "B"

Repeat the above pairing procedure between Passenger 2 and Passenger 4 using the Channel "B" button. (instead of Channel "A" button as described in point "c" of Step One above).

Your 4-Way Conference Intercom Pairing is now complete and ready to use.

*NOTE: If the Pairing process is not completed within two minutes the **G4**s will return to Standby mode.*



Making 4-Way Intercom calls

Once you have successfully paired the four **G4**s as described above, and all units are in standby mode, proceed as follows to start a 4-way Conference Intercom call:

a. Passenger 2 should press Button "B" to initiate a call with Passenger 4. Wait until audio is heard on both **G4**s and proceed to the next step.

b. Driver 1 should press Button "A" to initiate a call with Passenger 2.

c. Driver 3 should press Button "A" to initiate a call with Passenger 4.

Now the 4-way intercom conference mode is established.

*NOTE: If one of the **G4**s should disconnect or drop off from the 4-way call and fails to reconnect, repeat the three steps above in that precise order.*

9.11 USING THE G4 FOR INTERCOM WITH OTHER SCALA RIDER MODELS

9.11a. TWO-WAY INTERCOM with scala rider Q2/Q2 PRO

To use your **G4** with a Q2 unit, we recommend that you also refer to your Q2 manual.

1. If either device is turned OFF, turn it ON by pressing and holding either the Mobile Button for the **G4** unit or the CTRL Button for the Q2 until the Blue Lights flash three times.
2. Make sure that both devices are now flashing slowly in Blue.
3. On the **G4**, select an available CHANNEL to pair the Q2 (CHANNEL "A" or CHANNEL "B").

NOTE: Selecting a CHANNEL that is already in use will replace the paired device on that CHANNEL with the newly paired headset.

4. On the **G4**, press and hold the assigned CHANNEL BUTTON ("A" or "B") for at least six seconds until the **G4**'s BLUE or RED Light begins flashing rapidly, indicating it is in Intercom Pairing mode (See Table in 9.10).
5. On the Q2, simultaneously press and hold the CTRL and MC Buttons until the RED Light begins flashing rapidly, indicating it is in Intercom Pairing mode (see Q2 manual).
6. Within a few seconds, both units will show a solid light for two seconds, indicating that they are now paired, connected and ready for use.

NOTES:

- *If the Pairing process is not completed within two minutes the units will return to Standby mode.*
- *Voice Connect Intercom can only be initiated from the **G4/Q2 PRO**. However, you can always initiate the Intercom manually also from a Q2 unit by pressing the button.*

9.11b. TWO-WAY INTERCOM WITH EARLIER SCALA RIDER MODELS

To use your **G4** with other **scala rider** models such as the "Solo", "FM", "TeamSet PRO" or a "TeamSet" Driver unit make sure you have the manual of the other **scala rider** headset available.

1. While the **G4** is turned OFF, turn it ON by pressing and holding the Mobile Button until the Blue Light flashes three times.
2. Turn the other **scala rider** ON by pressing and holding its CTRL Button until the Red/Blue lights begin rapidly alternating.
3. For the **G4**, select an available CHANNEL to pair the other unit (CHANNEL "A" or CHANNEL "B").

NOTE: Selecting a CHANNEL that is already in use will replace the paired device on that CHANNEL with the newly paired headset.

4. On the **G4**, press and hold the assigned CHANNEL BUTTON ("A" or "B") for at least six seconds until the BLUE or RED Light begins flashing rapidly, indicating it is in Intercom Pairing mode. (See 9.10 Intercom Channel Table for details)
5. Within a few seconds, the **G4** will show a solid light for two seconds, indicating that the two units are now paired, connected and ready for use.

NOTES:

- *If the Pairing process is not completed within two minutes the units will return to Standby mode.*
- *When using an earlier **scala rider** model to serve as the Passenger unit (e.g. a "Solo", "FM", "TeamSet PRO" or a "TeamSet" Driver unit), Voice Connect Intercom can only be initiated from the **G4**. However, you can always initiate the Intercom manually also from the other **scala rider** unit by pressing the button.*

Initiate Intercom calls from scala rider G4

There are two ways to start an **Intercom** call with your paired headsets while the **G4** is in Standby mode:	
VOICE CONNECT: **Start talking loudly** Once you start talking loudly, an Intercom call will be established with both paired headsets. The Intercom call will stay on until all participants remain silent for 30 seconds.	**CHANNEL BUTTON CONNECT:** **Single tap the chosen Channel Button** to add or remove the unit from an Intercom call.

Initiate Intercom calls from:

Q2 PRO: Tap the MC Button once on a Q2 PRO unit to open an intercom call. To terminate the call, tap once.

Q2: Tap the MC Button twice on a Q2 unit to open an intercom call. Wait 3 seconds between taps. To terminate the call, tap once.

Other scala rider models: Tap the headset CTRL Button to open/close intercom call.

9.11c. THREE WAY INTERCOM WITH OTHER SCALA RIDER MODELS

In terms of range, the 3-Way Intercom between your **G4** and other **scala rider** units achieves distances of the lowest common denominator. For example, connecting your **G4** with two Q2 PRO units will enable intercom distances of maximum 2,300 ft / 700m.

*NOTE: When connected to earlier **scala rider** headsets (e.g. a "Solo", "FM", "TeamSet PRO" or a "TeamSet" Driver unit) only Rider-to-Passenger mode is available.*

All options are in Full Duplex, meaning that all parties can speak and hear one another simultaneously, similar to mobile or landline phone conversations and unlike walkie-talkie communications.

Using the G4 with two Q2/Q2 PRO headsets:

Proceed with setup as in section 9.11a above and use either in Rider-to-Passenger or in Bike-to-Bike mode.

Using the G4 and scala rider Q2/Q2 PRO with either a Solo, FM, TeamSet PRO or TeamSet (Driver) headset:

Q2/Q2 PRO: Proceed with setup as in section 9.11a above and use in Bike-to-Bike mode.

Solo, FM, or TeamSet (Driver): Proceed with setup as in section 9.11b above but use only in Rider-to-Passenger mode.

Example:

To pair your **G4** with a Q2 and an FM headset:

1. Pair your **G4** with the Q2 as described in section 9.11a., using CHANNEL "A".
2. Pair your **G4** with the FM as described in section 9.11b., using CHANNEL "B" (For Rider-to-Passenger use only).

Using your G4 with another G4 and another scala rider model (such as a Q2/Q2 PRO, Solo, FM, TeamSet PRO or TeamSet [Driver])

1. Proceed with setup as in section 9.10b above for pairing the second **G4.**
2. Proceed with setup as in section 9.11a or 9.11b above according to the headset you want to use.

Example:

To pair your **G4** with another **G4** and a **scala rider** FM headset:

1. Pair your **G4** with the second **G4** as described in section 9.10a., using CHANNEL "A".
2. Pair your **G4** with the FM as described in section 9.11b., using CHANNEL "B" [For Rider-to-Passenger use only].

Initiate Intercom calls from a G4

There are two ways to start an **Intercom** call with your paired headsets while the **G4** is in Standby mode:	
VOICE CONNECT: **Start talking loudly** Once you start talking loudly, an Intercom call will be established with both paired devices, CHANNEL "A" and CHANNEL "B" (if both are available).	**CHANNEL BUTTON CONNECT:** **Single tap the CHANNEL "A" or "B" Button** to add or remove the chosen channel from an Intercom call.

10. *CLICK-TO-LINK*

Click-to-Link is the spontaneous "social" nature of your scala rider **G4.** This unique feature will enable you to instantly initiate one-to-one intercom calls with other **G4** users in the near vicinity without going through a pairing process in advance. Think of it as a private bike-to-bike channel that you can set up on-the-fly with other scala rider **G4** users that you spot next to a traffic light or along the road.

The *Click-to-Link* feature can of course be disabled at any time, blocking any attempt by other **G4** users to establish a spontaneous link.

USING *CLICK-TO-LINK*

Disable/Enable *Click-to-Link*: The feature can be turned on or off via the **Settings Customization Menu** (see Section 4.2). By default, this feature is DISABLED.

AUDIO SOURCES AND PRIORITIES

The different audio sources connected to the **G4** are prioritized as shown below, i.e. the higher priority source will always override and interrupt the lower one.

For example, incoming mobile phone calls and GPS navigation instructions will interrupt ongoing *Click-to-Link* calls, while incoming *Click-to-Link* calls will interrupt the audio from the built-in FM Radio etc.

Click-to-Link established calls and Intercom calls have the same priority: If one is in use, the other is unable to interrupt. Therefore, a *Click-to-Link* request cannot interrupt an Intercom call in progress, and vice-versa.

Higher Priority

Lower Priority

1. **Mobile Phone audio or GPS instructions (device specific)**
2. **Intercom / *Click-to-Link* (same priority level)**
3. **A2DP audio source**
4. **FM Radio (built-in)**
5. **Auxiliary Line-In Port (for corded connection e.g. MP3 players).**

IC (Intercom) Request Tone: If you are on a *Click-to-Link* call and Rider A or Rider B try to connect to you for an IC Call, you will hear an IC Request Tone while the other party will hear a rejection beep.

If your *Click-to-Link* connection is dropped for any reason and other **G4** users are nearby, new *Click-to-Link* connections may link up with users other than your initial connection.

General Functions

Category	Desired result	Required Action
Making *Click-to-Link* calls	Start a *Click-to-Link* call request*	Double tap Channel "A" Button
	Cancel a *Click-to-Link* call	Tap Channel "A" Button
Receiving *Click-to-Link* calls	Accept a *Click-to-Link* call	When you hear the ring-tone, tap Channel "A" Button or speak loudly to answer by VOX
	Reject a *Click-to-Link* call	When hearing the ring tone, remain silent for 10 seconds or until the ring tone subsides
During *Click-to-Link* calls	End a *Click-to-Link* call	Tap Channel "A" Button

** The **G4** searches for another* Click-to-Link *enabled unit for up to 10 seconds, while beeping and flashing red.*

NOTE: Click-to-Link *connections will not replace or change your current Rider A and Rider B intercom pairings.* Click-to-Link *uses a separate temporary channel to connect to a* Click-to-Link *conversation partner.*

11. SUPPORT

For additional information please visit our website at
www.cardosystems.com
FAQ: **www.cardosystems.com/support/faq**
or contact us at: **support@cardosystems.com**

Phone:
USA and Canada: **1-800-488-0363**
International: **+4989 450 36819**

IMPORTANT

MULTINATIONAL ELECTRONIC COMMERCE COMPANIES AND ONLINE AUCTION WEBSITES ARE NOT AUTHORIZED TO SELL CARDO PRODUCTS. ANY PURCHASES FROM SUCH SITES ARE AT YOUR OWN RISK. TO RECEIVE WARRANTY OR CUSTOMER SERVICE, YOU MUST SUBMIT ORIGINAL RECEIPTS FROM AUTHORIZED CARDO DEALERS.

PRODUCTS THAT WERE IMPORTED FROM NORTH AMERICA MUST ALSO BE SERVICED THERE.

12. NOTICES

Federal Communications Commission (FCC) / Industry Canada (IC) Statement

15.21

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

15.105(b)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC / IC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off

and on, the user is encouraged to try to correct the interference by one or more of the following measures:

• Reorient or relocate the receiving antenna.

• Increase the separation between the equipment and receiver.

• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

• Consult the dealer or an experienced radio/TV technician for help.

Operation is subject to the following two conditions:

1) this device may not cause interference and

2) this device must accept any interference, including interference that may cause undesired operation of the device.

FCC/IC RF Radiation Exposure Statement:

This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. The antenna used for this transmitter must not transmit simultaneously with any other antenna or transmitter, except in accordance with FCC/IC multi-transmitter product procedures.

European CE Notice

The scala rider **G4** headset (the "Product") is in conformity with the following essential requirements of Council Directive 1999/5/EC (referred to as R&TTE Directive): Articles 3.1a, 3.1.b and 3.2. The Product is manufactured in accordance with Annex II of the above directive.

Declaration of Conformity (DOC)

The scala rider **G4** headset is compliant with and adopts the *Bluetooth*® Specification 2.1 and has successfully passed all interoperability tests that are specified in the *Bluetooth*® specification. However, interoperability between the device and other *Bluetooth*®-enabled products is not guaranteed.

IMPORTANT SAFETY AND WARRANTY INFORMATION – WAIVER AND GENERAL RELEASE

WARNING:

Cardo Systems Inc., ("Cardo") notifies you that your complete and undivided attention is required when using a communication device while riding a motorcycle, scooter, moped, ATV, quad-bike, bicycle or any other vehicle or equipment ("vehicle"). Failure to avoid potentially hazardous situations could result in accident resulting in serious injury or death.

Cardo strongly advises you to take all necessary precautions and remain alert to the traffic, weather and all road conditions. It is best to stop your vehicle on the roadside away from traffic prior to activating or deactivating the Product or initiating or receiving any calls.

Do not perform pairing, linking or similar operations while operating a vehicle. All publications, advertisements and similar sales materials are intended to address technical capabilities and should not be construed as encouraging the operation of Cardo's products ("Product") in any manner that is unsafe or prohibited by law.

Exercise all due caution while using this Product and obey all applicable traffic laws. Always operate the vehicle and the Product in a safe manner. **Do not become distracted by the Product while driving or riding on a vehicle.** Remain mindful of all driving conditions when using the Product. Always make sure that any use of your hands in connection with the Product is performed easily, appropriately and in a safe manner. Keep your hands on the handlebar while operating the vehicle. Minimize the time your hands perform any operation on the Product and stop safely away from any traffic to make adjustments. When riding, always consider road, traffic, terrain and other conditions to maximize safety. Do not operate the Product if it becomes unsafe to do so.

In some states, the use of mobile communications systems is prohibited or restricted. Check all laws and regulations that apply to your region before using the Product and be mindful that compliance with all laws and

regulations is the user's responsibility. Use the Product in motion only where and in the manner that such devices are permitted by applicable law. The Product should not be used in contravention of local, state or federal laws and regulations. Please check federal, state and local laws and regulations before using your Cardo Product.

No part of the body should come in contact with the antenna during operation of the equipment. Use Product only where safe, and avoid usage at gas stations, fuel depots or around explosives. Use with hearing aids and medical devices only after consulting a physician or specialist. Make sure to install and mount the Product in a stable manner.

Volume levels should be kept at reasonable levels and not at their maximum to avoid impairment of ambient noise.

HEALTH WARNINGS:

Hearing Loss

Audio devices can cause hearing loss. Employ care and avoid exposure to volume output levels that will damage or impair hearing or lead to hearing loss. Permanent hearing loss may occur if Products are used at high volume for prolonged periods of time.

RF Signals

Most electronic equipment is shielded from RF signals. However, certain electronic equipment may not be shielded against the RF signals emanating from your wireless equipment.

Pacemakers

The Health Industry Manufacturers Association recommends that a minimum separation of about six inches (or 16 cm) to be maintained between a mobile phone or wireless device and a pacemaker to avoid potential interference with the pacemaker. Be sure not to interfere with the functionality of personal medical devices.

Hearing Aids

Some devices may interfere with certain hearing aids. In the event of such interference, you should consult your hearing aid manufacturer to discuss alternatives.

Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device and/ or your physician to determine if it is adequately shielded from interference caused by external RF energy. Your physician may be able to assist you in obtaining this information.

LIMITED WARRANTY

Subject to the applicable laws and regulations in your jurisdiction, your Product is covered by a One-Year Limited product warranty from the date of original purchase. Please retain the retail sales receipt and your registration data for proof of purchase.

Subject to the aforementioned, Cardo hereby represents that this Product is warranted to be free from defects in materials or workmanship (proof of purchase and registration required). Within the subject period, Cardo will, at its sole option, repair or replace any components that fail in normal use. Such repairs or replacements will be made at no charge to the customer for parts or labor, provided that the customer shall be responsible for any transportation cost. This warranty does not cover failures due to abuse, misuse, accident or unauthorized alteration or repairs.

This Product is intended to be used only as a communication and entertainment device and should not be used in any location or jurisdiction where its use is prohibited.

THE WARRANTIES AND REMEDIES CONTAINED HEREIN ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES EXPRESS, IMPLIED OR STATUTORY, INCLUDING ANY LIABILITY ARISING UNDER ANY WARRANTY OF MERCHANTIBILITY OR FITNESS FOR A PARTICULAR PURPOSE, STATUTORY OR OTHERWISE THAT CARDO SPECIFICALLY DISCLAIMS.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS WHICH MAY VARY FROM STATE TO STATE OR FROM JURISDICTION TO JURISDICTION. CARDO MAKES NO OTHER WARRANTIES EXPRESS OR IMPLIED BEYOND THOSE STATED SPECIFICALLY HEREIN. THIS WARRANTY IS EXTENDED BY CARDO SOLELY TO THE ORIGINAL PURCHASER AND IS NOT ASSIGNABLE OR TRANSFERABLE TO OTHERS. CARDO ASSUMES NO OBLIGATION OR LIABILITY FOR ADDITIONS OR MODIFICATIONS TO THIS WARRANTY UNLESS MADE IN WRITING AND SIGNED BY AN OFFICER OF THE COMPANY.

Batteries are warranted only if the battery capacity falls below 50% of rated capacity or if the battery develops leakage.

This warranty becomes void if:

a. any of the seals on the case or battery are broken or Product or battery show signs of tampering,

b. the battery is used in equipment other than the equipment for which it was intended.

c. the Product is used in contravention of its intended purpose

d. the Product was purchased from online auctions

Cardo assumes no responsibility for direct and consequential damages, harm, merchantability or loss of any kind, including those resulting from the use of non-Cardo components or products in conjunction with its Products, and specifically the use of third party chargers or Bluetooth® devices. Furthermore, Cardo is not responsible for any damage to any part of the Product resulting from the use of ancillary equipment not furnished by Cardo which is attached to or used in connection with the Product.

What this warranty does not cover:

1. Defects or damage resulting from the use of this Product in other than its normal and customary manner.
2. Defects or damage from misuse, accident or neglect.
3. Defects caused by improper operation, maintenance, installation, adjustment or modification of any kind.
4. Products opened, disassembled or repaired by non-authorized parties.
5. Defects or damage due to exposure to excessive temperatures, adverse weather conditions, external impacts or spills of food or liquid.
6. All plastic surfaces and all other externally exposed parts that are scratched or damaged after purchase.

Disclaimer of Warranty

CARDO DISCLAIMS ALL EXPRESS AND IMPLIED WARRANTIES WITH REGARD TO THE ENCLOSED DEVICE, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND NON-INFRINGEMENT. THE DEVICE AND ITS ACCESSORIES ARE PROVIDED "AS IS" AND "AS AVAILABLE" WITHOUT WARRANTY OF ANY KIND BEYOND THOSE ASSUMED IN THE ENCLOSED MANUAL.

LIMITATION OF LIABILITY

IN NO EVENT SHALL CARDO BE LIABLE FOR ANY INCIDENTAL, SPECIAL, INDIRECT, PUNITIVE, EXEMPLARY OR CONSEQUENTIAL DAMAGES, WHETHER RESULTING FROM THE USE, MISUSE, OR INABILITY TO USE THIS PRODUCT OR FROM DEFECTS IN THE PRODUCT, OR FOR ANY DAMAGES WHATSOEVER RESULTING FROM THE USE OF THE PRODUCT, WHETHER BASED ON BREACH OF CONTRACT, TORT (INCLUDING NEGLIGENCE), PRODUCT LIABILITY OR OTHERWISE EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. YOU ACKNOWLEDGE AND AGREE THAT THE LIMITATIONS SET FORTH ABOVE ARE FUNDAMENTAL ELEMENTS OF THIS AGREEMENT TO WHICH YOU CONSENT AND WITHOUT WHICH THE PRODUCT WOULD NOT BE PROVIDED TO YOU ABSENT SUCH LIMITATIONS. SOME STATES DO NOT ALLOW CERTAIN EXCLUSIONS OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.

Cardo retains the exclusive right to repair or replace (with a new or newly-refurbished replacement Product) the device or software or give a refund of

the purchase price at its sole discretion. SUCH REMEDY SHALL BE YOUR SOLE AND EXCLUSIVE REMEDY FOR ANY BREACH OF WARRANTY.

Warranty Service

To obtain warranty service, your Product must be registered. Register online at: www.cardosystems.com/registration. Please present the Product, along with your registration number, bill of sale (receipt) at any authorized Service Center or at the store from which you have purchased the Product.

To obtain warranty service, contact Cardo's product support and obtain an RMA tracking number, or contact your local Cardo authorized dealer. Ship securely with a copy of the original sales receipt which is required as proof of purchase for warranty repairs. The RMA tracking number should be written on the outside of the package. Send the Product freight charges prepaid, to the Cardo address as directed by Cardo.

Online Auction Purchases: Online auction confirmations are not accepted for warranty verification. To obtain warranty service, an original or copy of the sales receipt from the original retailer is required. Cardo will not replace missing components from online auction sites.

Other manufacturers: Cardo is not responsible for and expressly disclaims any responsibility for how Cardo Products are used or misused arising out of use with products, services or information of other vendors.

General Provisions

This warranty is given in lieu of all other express or implied warranties, including without limitation, implied warranties of merchantability and fitness for a particular purpose.

1. Cardo is not liable for any incidental or consequential damages arising from the use or misuse of any of the Company's Products.
2. The user should never attempt to perform service, adjustments or repairs of the Product by him/herself. Doing so will void all warranties. During the term of the warranty, all Products must be returned to the point of purchase or the authorized service center for all necessary work.
3. The Company is not responsible for any loss or damage incurred during shipping. All repair work on the Product by parties not explicitly authorized by the Company will void any and all warranties.
4. The information in this Manual is furnished strictly for informational purposes and is subject to change without notice. Cardo assumes no liability or responsibility for any errors or inaccuracies that may appear in the Manual or Quick Start Guide.

NOTE: Look for appropriate displays to verify that you are being serviced by an Authorized Cardo Dealer or Service Center. Cardo retains the right to amend and change its Products, manuals and specifications at any time without notice.

WAIVER AND GENERAL RELEASE

By using the Product, you will waive substantial legal rights including the right to sue. Please read the following carefully before using the device. By using the Product you agree to be bound to this agreement and forfeit the right to sue.

By using the Product, you are irrevocably releasing, indemnifying from any liability, loss, claim and expense (including attorneys fees) and holding Cardo harmless for any bodily injuries, harm or death as well as losses or damages in goods, to any vehicles including your own, or to any property or asset that belong to you or to third parties, any of which may result from using the Product under any circumstances or conditions and irrespective of jurisdiction.

1. You, your heirs, legal representatives, successors or assigns, hereby voluntarily and forever release, discharge, indemnify and hold harmless Cardo from any and all litigation, claims, debts, demands, actions and liability which may arise, directly or indirectly, from using the Product for any distress, pain, suffering, discomfort, loss, injury, death, damages to or in respect to any person or property however caused, WHETHER ARISING FROM THE NEGLIGENCE OR OTHERWISE, and which may hereafter accrue to you on some future date as a result of said use, to the fullest extent permitted by law.

2. You fully understand and assume the risks in using the Product, including risk of negligent acts or omissions by others. All risks for operating the Product are assumed solely by the user of the Product.

3. You confirm that you are physically capable to use the Product and that you have no medical conditions or needs that may infringe upon your abilities to do so in a safe manner. You confirm that you are at least eighteen (18) years of age and that you have been advised of the risks associated with the use of the Product. You further confirm that you will not consume any alcohol that may affect your alertness or any mind-altering substance, and will not carry, use or consume these substances before or during the use of the Product.

4. You fully acknowledge our warnings and understand that:

(a) risks and dangers exist in using the Product while in traffic, including but not limited to injury or illness, strains, fractures, partial and/or total paralysis, death or other ailments that could cause serious disability;

(b) these risks and dangers may be caused by the negligence of the manufacturers or its agents or any third party involved in designing or manufacturing the Product;

(c) these risks and dangers may arise from foreseeable or unforeseeable causes.

You hereby assume all risks and dangers and all responsibility for any losses and/or damages, whether caused in whole or in part by the negligence or other conduct of others, including Cardo.

5. By using the Product, you confirm that you have read this release of liability and fully understand and accept its terms and conditions.

www.cardosystems.com